SEQUENCE LISTING

<110> Heller, Michael
Tu, Eugene

<120>  Self-Addressable Self-Assembling Microelectronic Systems and Devices for Molecular Biological Analysis and Diagnostics

<130>  Nanogen 236/092

<140>  09/128,718
<141>  1998-08-04

<150>  08/725,976
<151>  1996-10-04

<160>  31

<170>  PatentIn version 3.0

<210>  1
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<212>  DNA
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<220>
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<222>  (23)..(23)
<223>  Sequence is followed by a 3-terminal ribonucleoside uracil

<400>  1
gctagcccct gctcatgagt ctc                                           2
3

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<400> 2
aaaaaaaaaa aaaaaaaaaa                                                      2
0


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<400> 3
ctacgtggac ctggagagga aggagactgc ctg                                       3
3


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<223> Sequence is followed by a 3-terminal ribonucleoside uracil


<400> 4
gagttcagca aatttggag                                                       1
9


<210> 5
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<400>   5
cgtagaactc ctcatctcc                                                      1
9


<210>   6
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<222>   (17)..(17)
<223>   Sequence is followed by a 3-terminal ribonucleoside uracil


<400>   6
gtctccttcc tctccag                                                        1
7


<210>   7
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<223>   Sequence is followed by a 3-terminal ribonucleoside uracil


<400>   7
gatgagcagt tctacgtgg                                                      1
·9


<210>   8
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<222>   (17)..(17)
<223>   Sequence is followed by a 3-terminal ribonucleoside uracil

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<400>  8
ctggagaaga aggagac                                                    1
7


<210>  9
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<221>  misc_feature
<222>  (21)..(21)
<223>  Sequence is followed by a 3-terminal ribonucleoside uracil


<400>  9
ttccacagac ttagatttga c                                               2
1


<210>  10
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<400>  10
ttccgcagat ttagaagat                                                  1
9


<210>  11
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<222>  (19)..(19)
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<400> 11
tgtttgcctg ttctcagac                                                    1
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<210> 12
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<220>
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<222> (19)..(19)
<223> Sequence is followed by a 3-terminal ribonucleoside uracil


<400> 12
catcgctgtg acaaaacat                                                    1
9


<210> 13
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<223> "Aminolink2" modified with an amino terminus


<400> 13
tgcgagctgc agtcagacat                                                   2
0


<210> 14
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<221> misc_feature

<222>  (1)..(1)
<223>  "Aminolink2" modified with an amino terminus


<400>  14
gagagactca tgagcagg                                                    1
8


<210>  15
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<213>  synthetic construct

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<223>  "Aminolink2" modified with an amino terminus


<400>  15
cctgctcatg agtctctc                                                    1
8


<210>  16
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<223>  "Aminolink2" modified with an amino terminus


<400>  16
tttttttttt tttttttttt                                                  2
0


<210>  17
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<221>    misc_feature
<222>    (1)..(1)
<223>    "Aminolink2" modified with an amino terminus


<400>    17
caggcagtct ccttcctctc caggtccacg tag                              3
3


<210>    18
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<213>    synthetic construct

<220>
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<223>    "Aminolink2" modified with an amino terminus


<400>    18
ctccaaattt gctgaactc                                            1
9


<210>    19
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<223>    "Aminolink2" modified with an amino terminus


<400>    19
ggagatgagg agttctacg                                            1
9


<210>    20
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<212>    DNA
<213>    synthetic construct

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<220>
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<222>  (1)..(1)
<223>  "Aminolink2" modified with an amino terminus


<400>  20
ctggagagga aggagac                                                    1
7


<210>  21
<211>  19
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<213>  synthetic construct

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<221>  misc_feature
<222>  (1)..(1)
<223>  "Aminolink2" modified with an amino terminus


<400>  21
ccacgtagaa ctgctcatc                                                  1
9


<210>  22
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<222>  (1)..(1)
<223>  "Aminolink2" modified with an amino terminus


<400>  22
gtctccttct tctccag                                                    1
7


<210>  23
<211>  21
<212>  DNA
<213>  synthetic construct
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<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  "Aminolink2" modified with an amino terminus


<400>  23
gtcaaatcta agtctgtgga a                                                    2
1



<210>  24
<211>  19
<212>  DNA
<213>  synthetic construct

<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  "Aminolink2" modified with an amino terminus


<400>  24
atcttctaaa tctgcggaa                                                      1
9



<210>  25
<211>  19
<212>  DNA
<213>  synthetic construct

<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  "Aminolink2" modified with an amino terminus


<400>  25
gtctgagaac aggcaaaca                                                      1
9



<210>  26
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<212>  DNA
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<213>  synthetic construct

<220>
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<400>  26
atgttttgtc acagcgatg                                                        1
9


<210>  27
<211>  29
<212>  DNA
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<221>  misc_feature
<222>  (29)..(29)
<223>  Sequence is followed by a 3-terminal ribonucleoside uracil


<400>  27
ggtggtgggc gccggcggtg tgggcaaga                                            2
9


<210>  28
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<212>  DNA
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<220>
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<222>  (1)..(1)
<223>  "Aminolink2" modified with an amino terminus


<400>  28
cacaccgccg gcgcc                                                           1
5


<210>  29
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<212>    DNA
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<222>    (1)..(1)
<223>    "Aminolink2" modified with an amino terminus


<400>    29
cacaccgacg gcgcc                                                              1
5


<210>    30
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<400>    30
cacaccgacg gtgcc                                                              1
5


<210>    31
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<220>
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<222>    (29)..(29)
<223>    Sequence is followed by a 3-terminal ribonucleoside uracil


<400>    31
ggtggtgggc gccgtcggtg tgggcaaga                                               2
9